

Title (en)  
SUB-PICTURE BITSTREAM EXTRACTION AND REPOSITION

Title (de)  
EXTRAKTION UND NEUPOSITIONIERUNG VON TEILBILD-BITSTRÖMEN

Title (fr)  
EXTRACTION ET REPOSITIONNEMENT DE TRAIN DE BITS DE SOUS-IMAGE

Publication  
**EP 3939318 A1 20220119 (EN)**

Application  
**EP 20717427 A 20200311**

Priority

- US 201962816703 P 20190311
- US 201962855446 P 20190531
- US 2020022070 W 20200311

Abstract (en)  
[origin: WO2020185878A1] Systems and methods described herein employ a high-level syntax design that supports a sub-picture extraction and reposition process. An input video may be encoded into multiple representations, each representation may be represented as a layer. A layer picture may be partitioned into multiple sub-pictures. Each sub-picture may have its own tile partitioning, resolution, color format and bit depth. Each sub-picture is encoded independently from other sub-pictures of the same layer, but it may be inter-predicted from the corresponding sub-pictures from its dependent layers. Each sub-picture may refer to a sub-picture parameter set where the sub-picture properties such as resolution and coordinate is signaled. Each sub-picture parameter set may refer to a PPS where the resolution of the entire picture is signaled.

IPC 8 full level  
**H04N 19/70** (2014.01)

CPC (source: EP KR US)  
**H04N 19/172** (2014.11 - KR US); **H04N 19/184** (2014.11 - KR); **H04N 19/30** (2014.11 - EP KR US); **H04N 19/597** (2014.11 - KR US); **H04N 19/70** (2014.11 - EP KR US); **H04N 19/597** (2014.11 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2020185878 A1 20200917**; AU 2020234972 A1 20210930; CN 113661714 A 20211116; CN 113661714 B 20241001; EP 3939318 A1 20220119; JP 2022535643 A 20220810; JP 2024079682 A 20240611; JP 7446329 B2 20240308; KR 20210145736 A 20211202; MX 2021010711 A 20211210; US 2022141488 A1 20220505

DOCDB simple family (application)  
**US 2020022070 W 20200311**; AU 2020234972 A 20200311; CN 202080026350 A 20200311; EP 20717427 A 20200311; JP 2021555278 A 20200311; JP 2024027813 A 20240227; KR 20217029387 A 20200311; MX 2021010711 A 20200311; US 202017435669 A 20200311